



Health impacts of climate change

Author(s):	Larkin A
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Abstract:

Climate changes can have multifaceted effects on both our planet and our lives. Future climate changes may alter the habitats of various forms of flora and fauna and also the habits of the human population. Both directly and indirectly, climate changes have an effect on the health of the human race. Most research identifies five health consequences and their corresponding climate change effects. This chapter will focus on these areas of potential health effects due to (1) temperature, (2) extreme weather events, (3) pollution of the air, (4) diseases from unsanitary water or food supplies, and (5) vector-borne disease.

Source: https://www.niehs.nih.gov/research/programs/geh/climatechange/health_impacts/

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Security, Food/Water Security, Glacier/Snow Melt, Precipitation, Temperature

Air Pollution: Allergens

Extreme Weather Event: Drought, Flooding

Food/Water Security: Agricultural Productivity

Temperature: Extreme Heat, Fluctuations

Geographic Feature:

resource focuses on specific type of geography

Urban

Geographic Location:

resource focuses on specific location

United States

Health Impact:



specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Infectious Disease, Injury, Mental Health/Stress, Morbidity/Mortality, Respiratory Effect

Infectious Disease: Airborne Disease, Foodborne/Waterborne Disease, Vectorborne Disease, Zoonotic Disease

Airborne Disease: Influenza

Foodborne/Waterborne Disease: Cryptosporidiosis, Schistosomiasis

Vectorborne Disease: Flea-borne Disease, Mosquito-borne Disease, Tick-borne Disease

Flea-borne Disease: Plague

Mosquito-borne Disease: Dengue, Malaria, West Nile Virus, Other Mosquito-borne Disease

Mosquito-borne Disease (other): Encephalitis, general

Tick-borne Disease: Lyme Disease

Zoonotic Disease: Hantavirus Pulmonary Syndrome

Mental Health Effect/Stress: Stress Disorder

Respiratory Effect: Asthma

Model/Methodology:

type of model used or methodology development is a focus of resource

Exposure Change Prediction

Population of Concern: A focus of content

Population of Concern:

populations at particular risk or vulnerability to climate change impacts

Elderly

Resource Type:

format or standard characteristic of resource

Review

Timescale:

time period studied

Time Scale Unspecified

Vulnerability/Impact Assessment:

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content